

**MONTANA STATE AVIATION SYSTEM PLAN  
1995 UPDATE  
FIELD INSPECTION FORM**

AIRPORT:	BOWMAN FIELD (3U3)	AIRPORT REFERENCE CODE:	B-I (SM)
CITY:	ANACONDA	APPROACH TYPE:	BASIC
CONTACT:	JOHN McPHAIL	DATE INVENTORIED:	1-11-96
PHONE #:	563-8275	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
<b>RUNWAY 4/22 INVENTORY</b>				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	125'	130' & 200'		✓
PARALLEL TAXIWAY FROM CENTERLINE:	150'	458' & 485'		✓
AIRCRAFT PARKING FROM CENTERLINE:	125'	285'		✓
RUNWAY WIDTH:	60'	60'		✓
RUNWAY LENGTH:	6,080' (1)		4,520'	75%
RUNWAY SAFETY AREA (RSA) WIDTH:	120'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	250'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	250' W & 7:1	(2),(3) &(4)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	250' WIDE x 200' BEYOND			(3)
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	1"-2"		✓
PAVEMENT MARKING TYPE:	BASIC	BASIC		✓
PAVEMENT MARKING CONDITION:		FAIR		N/A
<b>RUNWAY 4 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	(5)		OK
RUNWAY END ELEVATION:			5,030.6	N/A
<b>RUNWAY 22 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	(3)		NO
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,985.2	N/A
<b>RUNWAY LIGHTING INVENTORY</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	200'		✓
TYPE:	MIRL - STAKE MOUNTED - NATIONAL			N/A
CONDITION:		GOOD		N/A
COLOR:	WHITE	WHITE		✓
<b>THRESHOLD 4</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	13'		NO
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10		✓
COLOR:	RED/GREEN	RED/GREEN		✓
<b>THRESHOLD 22</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

**COMMENTS:**

(1) RW LENGHT OF 4,420' FOR 75%, 5,900' FOR 95%, AND 6,080 FOR 100% COVERAGE; ALP ULTIMATE SHOWN AS 6,000'

(80% OF PRIMARY RUNWAY LENGTH IS 4,800' - DOES NOT COMPLY)

(2) OLD WINDSOCK HARDWARE ON T-HANGAR BY 4 END IN TRANSITIONAL SURFACE (16%)

(3) 6' HIGH SMALL BRUSH IN PRIMARY SURFACE ON CL 177' FROM END

(4) 5' AND LESS HIGH SMALL BRUSH 125' OFF CL ON E. SIDE, ON W. SIDE (2) AT 25% & (1) IN PRIMARY SURFACE

(5) POWER POLES AT 5%

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CONTACT:	JOHN McPHAIL	DATE INVENTORIED:	1-11-96
PHONE #:	563-8275	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
<b>RUNWAY 16/34 INVENTORY</b>				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	125'	200'		✓
PARALLEL TAXIWAY FROM CENTERLINE:	240'	N/A		N/A
AIRCRAFT PARKING FROM CENTERLINE:	250'	N/A		N/A
RUNWAY WIDTH:	75'	75'		✓
RUNWAY LENGTH:	6,080' (1)		6,000'	95%
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	(2)		NO
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	(3) & (4)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	250' WIDE x 200' BEYOND			(3)
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH - 1"		OK
PAVEMENT MARKING TYPE:	NPI	NPI		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
<b>RUNWAY 16 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,994.3	N/A
<b>RUNWAY 34 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	(5)		✓
RUNWAY END ELEVATION:			5,028.5	N/A
<b>RUNWAY LIGHTING INVENTORY</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	(6)		✓
TYPE:	MIRL - STAKE MOUNTED - ADB-ALNACO			N/A
CONDITION:		GOOD (6)		N/A
COLOR:	WHITE	WHITE		✓
<b>THRESHOLD 16</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10		✓
COLOR:	RED/GREEN	RED/GREEN		✓
<b>THRESHOLD 34</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

**COMMENTS:**

(1) RW LENGTH OF 4,420' FOR 75%, 5,900' FOR 95%, AND 6,080 FOR 100% COVERAGE; ALP ULTIMATE SHOWN AS 6,000'

(2) SMALL BRUSH IN OFA 200' FROM CL AND SLIGHTLY NORTH OF TAXIWAY

(3) TREES ALONG WEST FENCE PENETRATE TRANSITIONAL SURFACE, 50% AND 35%

(4) WIND SOCK AT NORTH END NEAR EAST FENCE PENETRATES TRANSITIONAL SURFACE AT 50%

(5) TREES LEFT AND RIGHT OF APPROACH AT 5% - PER ALP JUST OUTSIDE RPZ BOUNDARY

(6) EIGHT KNOCKED DOWN OR MISSING LIGHTS, TWO MISSING GLOBES; MOSTLY ON EAST SIDE OF RUNWAY

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	REQUIRED	ACTUAL	ALP	CONFORM
TAXIWAY INVENTORY				
TAXIWAY WIDTH:	35'	25' & 37'		NO
TAXIWAY SAFETY AREA WIDTH:	79'	OK		✓
TAXIWAY OBJECT FREE AREA WIDTH:	131'	OK		✓
DIST. FROM CENTERLINE TO FIXED OR MOVEABLE OBJ.	65.5'	OK		✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	1"		OK
PAVEMENT MARKING TYPE:		YELLOW		✓
PAVEMENT MARKING CONDITION:		GOOD		N/A
TAXIWAY LIGHTING INVENTORY		(1)		
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	200'		✓
TYPE:		REFLECTORS		N/A
CONDITION:		GOOD		N/A
COLOR:	BLUE	BLUE		✓

**MISCELLANEOUS**

TYPE OF BEACON:	MOUNTED ON 50' METAL TOWER SW OF APRON AREA
SIZE OF BEACON:	12"
OTHER LIGHTING AIDS (VASI,PAPI,REIL):	4,16,&34 ENDS: ADB-ALNACO 2-BOX PAPI, GOOD COND, 50' OFF PVMT
WINDCONE (CONDITION & COMPLIANCE):	MID-FIELD, SW OF TAXIWAY, LIGHTED, 25', GOOD COND
SEGMENTED CIRCLE (CONDITION & COMPLIANCE):	METAL PANEL SEGMENTED CIRCLE IN GOOD CONDITION
WINDCONE (CONDITION & COMPLIANCE):	EAST OF 16 END, ALONG FENCE, UNLIGHTED, 25' HIGH IN GOOD COND
SEGMENTED CIRCLE (CONDITION & COMPLIANCE):	NONE
FENCING:	GOOD
SIGNS: (TYPE, CONDITION, PLACEMENT)	FOUR DIRECTIONAL SIGNS, THREE ON TAXIWAY, ONE AT 4 END THREE 15' OFF PVMT ONE 12' OFF PVMT ALL LUMACURVE IN GOOD COND

**COMMENTS:**

(1) ENTRANCE BLUE LIGHTS ON RUNWAY ONTO ALL TAXIWAYS - NONE FOR JUGHANDLES THOUGH  
 (BLUE REFLECTORS ON ALL TAXIWAYS BUT NONE ON JUGHANDLES)